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10 DIM T(420),DI(8),D$(100),DZ(1
    00,5)
12 VB = 1000
15 J$(1) = "LE JOUEUR":J$(2) = "L
    'ORDINATEUR"
20 DATA 20,21,1,-19,-20,-21,-1,1
    9
30 FOR I = 1 TO 8: READ DI(I): NEXT

31 BS$ = CHR$(8)
32 READ NC: FOR I = 1 TO NC: READ
    C$(I): FOR J = 1 TO 4: READ
    CZ(I,J): NEXT J,I
33 READ ND: FOR I = 1 TO ND: READ
    D$(I): FOR J = 1 TO 5: READ
    DZ(I,J): NEXT J,I
40 BS$ = CHR$(8)
50 HOME : PRINT "QUI JOUE LE PRE
    MIER ?": PRINT : PRINT "1 ->
    "J$(1)"    2 -> "J$(2)
60 GET A$: IF A$ < "1" OR A$ > "
    2" THEN 60
65 JO = VAL (A$)
100 HOME : REM EFFACE L'ECRAN
110 PRINT " "; FOR I = 65 TO
    83: PRINT CHR$(I);: NEXT :
    PRINT
120 FOR I = 1 TO 19: PRINT RIGHT$(
    "00" + STR$(I),2)"!";
130 FOR J = 1 TO 19: PRINT ".";:
    NEXT : PRINT : NEXT
140 FOR I = 0 TO 420:T(I) = VB: NEXT

150 FOR I = 0 TO 19:T(I) = - 1:
    NEXT
160 FOR I = 401 TO 420:T(I) = -
    1: NEXT
170 FOR I = 20 TO 400 STEP 20:T(
    I) = - 1: NEXT
180 VTAB 1: HTAB 25: PRINT "PAIR
    ES PRISES :": HTAB 25: PRINT
    "J : 0": HTAB 25: PRINT "O :
    0"
190 T(210) = VB + 1
200 ON JO GOTO 1000,2000
1000 REM TOUR JOUEUR
1003 VTAB 23: HTAB 1: PRINT TAB(
    30)" "
1005 T = T + 1
1010 JO = 1: GOSUB 42000: GOSUB 4
    0000
1015 IF T = 2 THEN X1 = X
1020 IF T = 1 AND (X < > 10 OR
    Y < > 10) THEN 1030
1025 IF T < > 3 THEN 1027
1026 IF ABS (10 - X) < 3 AND ABS
    (10 - Y) < 3 THEN 1030
1027 IF T(C) > 2 THEN 1050
1030 VTAB 7: HTAB 25: PRINT "COU
    P ILLEGAL !!": GET A$: GOSUB
    41000: GOTO 1010
1050 VTAB 23: HTAB 1: PRINT "JE
    REFLECHIS...": TAB( 30)" "
1060 T(C) = JO: GOSUB 43000: GOSUB
    10000

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2000 REM COUP ORDINATEUR
2002 VTAB 9: HTAB 28: PRINT "
"
2005 JO = 2:T = T + 1: IF T < >
3 THEN 2009
2006 X = 10 + 3 * (X1 = 10):Y = 1
3 - 3 * (X1 = 10): GOTO 2010
2009 GOSUB 3000
2010 VTAB 9: HTAB 25: PRINT "="
" CHR$(X + 64)" - " RIGHT$(
"00" + STR$(Y),2)
2020 GOSUB 40000: IF T(C) < 3 THEN
2010
2025 VTAB 23: HTAB 1: PRINT "VOI
CI MON COUP. PATIENTEZ..."
2030 T(C) = 2: GOSUB 43000: GOSUB
10000: GOTO 1000
3000 REM CHOIX ORDINATEUR
3020 MA = 0: FOR I = 21 TO 401: IF
T(I) = - 1 THEN 3050
3030 IF MA < T(I) THEN MA = T(I)
:CE = I
3050 NEXT :C = CE: GOSUB 40100
3060 VTAB 23: HTAB 1: PRINT TAB(
30)" ": RETURN
9999 END
10000 REM GAGNE ?
10010 FOR D = 1 TO 4:DI = DI(D)
10020 FOR J = C - 4 * DI TO C STEP
DI
10030 IF J < 21 OR J > 399 OR INT
(J / 20) = J / 20 THEN 10070
10040 G = 0: FOR K = 0 TO 4
10042 IF T(J + K * DI) = - 1 THEN
G = 1:K = 4: GOTO 10060
10050 IF T(J + K * DI) < > JO THEN
G = 1:K = 4
10060 NEXT K: IF G = 0 THEN 3000
0
10070 NEXT J,D
10120 FOR D = 1 TO 8:DI = DI(D)
10130 G = 0: FOR I = 1 TO 3
10140 IF T(C + DI * I) = - 1 THEN
G = 1:I = 3: GOTO 10180
10150 IF T(C + DI * I) < > (I =
3) * JO + (I < > 3) * (3 -
JO) THEN G = 1:I = 3
10180 NEXT I: IF G = 0 THEN GOSUB
10200
10190 NEXT D: GOTO 10300
10200 V = JO:JO = 0:CA = C: FOR I
= 1 TO 2:T(CA + I * DI) = V
B:C = CA + I * DI: GOSUB 430
00: NEXT :JO = V: GOSUB 1021
0
10205 FOR I = 1 TO 2:C = CA + I *
DI: GOSUB 20000: NEXT I:C =
CA: RETURN
10210 P(JO) = P(JO) + 1
10220 VTAB JO + 1: HTAB 29: PRINT
P(JO)" "
10230 IF P(JO) = 5 THEN 30000
10240 RETURN
10300 REM EVAL CASES ADJACENTES
10410 F = 0:Z4 = 0: FOR D = 1 TO
4:DI = DI(D)
10420 FOR J = C - 4 * DI TO C STEP
DI
10430 IF J < 21 OR J > 399 OR INT
(J / 20) = J / 20 THEN 11000
10435 FOR K = 0 TO 2:N(K) = 0: NEXT
K
10440 G = 0:C$ = "": FOR K = 0 TO
4

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10450 A = T(J + K * DI): IF A = -
1 THEN G = 1:K = 4: GOTO 104
70
10460 IF A > 2 THEN A = 0
10461 N(A) = N(A) + 1:C$ = C$ + STR$(
A)
10470 NEXT K: IF G = 1 THEN 1100
0
10500 IF N(3 - JO) < > 0 THEN 1
0600
10505 FOR K = 0 TO 4:CC = J + K *
DI: IF T(CC) < 3 THEN 10530
10510 T(CC) = T(CC) + (5 - N(0))
10530 NEXT K
10600 C1$ = LEFT$(C$,4)
10610 FOR I = 1 TO NC: IF C1$ <
> C$(I) THEN 10700
10620 FOR K = 0 TO 3:CC = J + K *
DI: IF T(CC) < 3 THEN 10640
10630 T(CC) = T(CC) + CZ(I,K + 1)
: IF P(2) = 4 AND CZ(I,K + 1)
) = 400 THEN T(CC) = T(CC) +
1500
10640 NEXT K
10700 NEXT I
10710 IF NOT (N(0) = 1 OR N(0)
= 2) AND (N(1) = 0 OR N(2) =
0) THEN 10740
10720 FOR K = 0 TO 3:CC = J + K *
DI: IF T(CC) < 3 THEN K = 3:
GOTO 10730
10725 T(CC) = T(CC) + 20
10730 NEXT K
10740 REM
10800 FOR I = 1 TO ND: IF C$ < >
D$(I) THEN 10830
10810 FOR K = 0 TO 4
10815 CC = J + K * DI
10819 IF T(CC) < 3 THEN 10825
10820 T(CC) = T(CC) + DZ(I,K + 1)
10825 NEXT K
10830 NEXT I
10900 IF NOT (N(3 - JO) = 0 AND
N(JO) = 4) THEN 10950
10910 FOR K = 0 TO 4:CC = J + K *
DI: IF T(CC) < 3 THEN 10930
10920 T(CC) = T(CC) + 500 + 1000 *
(JO = 2): IF JO = 1 THEN Z4 =
Z4 + 1:F1 = DI:F2 = J
10930 NEXT K
10950 REM
11000 NEXT J,D
11010 IF Z4 < > 2 THEN RETURN
11020 G = 0: FOR K = 0 TO 4:CC =
F2 + K * F1: IF T(CC) < > 1
THEN 11150
11030 FOR DD = 1 TO 4:DJ = DI(DD
): FOR JJ = CC - 4 * DJ TO C
C STEP DJ
11040 IF JJ < 21 OR JJ > 399 OR
INT (JJ / 20) = JJ / 20 THEN
11140
11050 G$ = 0:CC$ = "": FOR KK = 0
TO 3:A = T(JJ + KK * DJ): IF
A = - 1 THEN G$ = 1:KK = 4:
GOTO 11080
11060 IF A > 2 THEN A = 0
11070 CC$ = CC$ + STR$(A)
11080 NEXT KK: IF G$ = 1 THEN 11
140
11090 FOR II = 3 TO 4: IF CC$ <
> C$(II) THEN 11130

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11100 FOR K1 = 0 TO 3: CX = JJ +
      K1 * DJ: IF T(CX) < 3 THEN 1
      1120
11110 IF CZ(II, K1 + 1) < > 400 THEN
      11120
11111 IF OO = 1 THEN 11120
11112 T(CX) = T(CX) + CZ(II, K1 +
      1) * 5: OO = 1
11120 NEXT K1
11130 NEXT II
11140 NEXT JJ, DD
11150 NEXT K: RETURN
20000 FOR B = 1 TO 4: BI = DI(B)
20010 FOR J = C - 4 * BI TO C STEP
      BI
20020 IF J < 21 OR J > 399 OR INT
      (J / 20) = J / 20 THEN 20350
20030 FOR K = 0 TO 2: N(K) = 0: NEXT
      K
20040 G = 0: B$ = "": FOR K = 0 TO
      4
20050 A = T(J + K * BI): IF A = -
      1 THEN G = 1: K = 4: GOTO 201
      00
20060 IF A > 2 THEN A = 0
20070 N(A) = N(A) + 1: B$ = B$ + STR$
      (A)
20100 NEXT K: IF G = 1 THEN 2035
      0
20110 IF N(3 - JO) < > 0 THEN 2
      0150
20120 FOR K = 0 TO 4: CC = J + K *
      BI: IF T(CC) < 3 OR CC < >
      C THEN 20140
20130 T(CC) = T(CC) + (5 - N(0)) /
      2
20140 NEXT K
20150 B1$ = LEFT$(B$, 4)
20170 FOR E = 1 TO NC: IF B1$ <
      > C$(E) THEN 20200
20180 FOR K = 0 TO 3: CC = J + K *
      BI: IF T(CC) < 3 OR CC < >
      C THEN 20195
20190 T(CC) = T(CC) + CZ(E, K + 1)
      / 2
20195 NEXT K
20200 NEXT E
20210 IF NOT ((N(0) = 1 OR N(0)
      = 2) AND (N(1) = 0 OR N(2) =
      0)) THEN 20250
20220 FOR K = 0 TO 3: CC = J + K *
      BI: IF T(CC) < 3 OR CC < >
      C THEN 20240
20230 T(CC) = T(CC) + 5
20240 NEXT K
20250 REM
20260 FOR E = 1 TO ND: IF B$(E) < >
      D$(E) THEN 20290
20270 FOR K = 0 TO 4: CC = J + K *
      BI: IF T(CC) < 3 OR CC < >
      C THEN 20285
20280 T(CC) = T(CC) + DZ(E, K + 1)
      / 2
20285 NEXT K
20290 NEXT E
20300 IF NOT ((N(3 - JO) = 0 OR
      N(JO) = 0) AND N(JO) = 4) THEN
      20340
20310 FOR K = 0 TO 4: CC = J + K *
      BI: IF T(CC) < 3 OR CC < >
      C THEN 20330
20320 T(CC) = T(CC) + 1000
20330 NEXT K
20340 REM

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20350 NEXT J, B: RETURN
30000 VTAB 24: NTAB 1: PRINT J$(
      JO) " BAGNE !!! "; GET
      A$: END
40000 C = X + (20 - Y) * 20: RETURN
40100 X = C - INT (C / 20) * 20:
      Y = 20 - INT (C / 20): RETURN
41000 GOSUB 42100: VTAB 5: HTAB
      25: PRINT "-> "; RETURN
42000 GOSUB 41000
42005 GET A$
42008 IF A$ < "A" OR A$ > "S" THEN
      42000
42010 PRINT A$ - "; X = ASC (A
      $) - 64
42020 GET A$: IF A$ < "0" OR A$ >
      "1" THEN 42020
42025 Y = VAL (A$) * 10: PRINT A
      $;
42030 GET A$: IF A$ = B$ THEN PRINT
      B$ " B$"; GOTO 42020
42040 IF A$ < "0" OR A$ > "9" THEN
      42030
42045 IF Y = 0 AND A$ = "0" THEN
      42030
42050 Y = Y + VAL (A$): PRINT A$
      ;
42060 VTAB 7: HTAB 25: PRINT "CO
      RRECT ? (O/N)";
42070 GET A$: IF A$ < > "O" AND
      A$ < > "N" THEN 42070
42080 IF A$ = "O" THEN VTAB 7: HTAB
      25: PRINT TAB(39) " ": RETURN
42090 GOTO 42000
42100 VTAB 7: HTAB 25: PRINT TAB(
      39) " ": VTAB 5: HTAB 25: PRINT
      TAB(39) " ": RETURN
43000 GOSUB 40100: VTAB Y + 1: HTAB
      X + 3: PRINT MID$( ".XD", JO
      + 1, 1): RETURN
49999 DATA 10
50000 DATA 1220, 0, 0, 0, 200
50001 DATA 0221, 200, 0, 0, 0
50002 DATA 2110, 0, 0, 0, 400
50004 DATA 0112, 400, 0, 0, 0
50008 DATA 1200, 0, 0, -40, -10
50010 DATA 2100, 0, 0, -40, -10
50012 DATA 0012, -10, -40, 0, 0
50014 DATA 0021, -10, -40, 0, 0
50015 DATA 1020, 0, -40, 0, -10
50016 DATA 0201, -10, 0, -40, 0
50099 DATA 18
50100 DATA 01110, 200, 0, 0, 0, 300
50101 DATA 02220, 200, 0, 0, 0, 300
50102 DATA 22220, 0, 0, 0, 0, 1000
50103 DATA 11110, 0, 0, 0, 0, 500
50105 DATA 02222, 1000, 0, 0, 0, 0
50106 DATA 01111, 500, 0, 0, 0, 0
50107 DATA 02202, 20, 0, 0, 300, 0
50108 DATA 01101, 10, 0, 0, 300, 0
50109 DATA 22020, 0, 0, 300, 0, 20
50110 DATA 02022, 20, 0, 300, 0, 0
50111 DATA 20220, 0, 300, 0, 0, 20
50112 DATA 10110, 0, 300, 0, 0, 20
50113 DATA 11010, 0, 0, 300, 0, 20
50114 DATA 01011, 20, 0, 300, 0, 0
50115 DATA 02111, -50, 0, 0, 0, 0
50116 DATA 11120, 0, 0, 0, 0, -50
50118 DATA 21110, 0, 0, 0, 0, -20
50119 DATA 12220, 0, 0, 0, 0, -20
60000 REM * OLIVIER TUBACH *

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